MAGNUS

Magnus Rugged Notebook

Key Features

- 10.4” XGA or 12.1” WXGA TFT Swivel Screen
- Standard Touchscreen Display
- Optional Sunlight Readable Display
- Intel® 945GMS Chipset
- Intel® Core™ Duo U7600 Processor
- 1.2 GHz Ultra Low Voltage (ULV) CPU
- 533 MHz, 2 MB L2 Cache (FSB)
- Maximum 2 GB of DDR2 SDRAM
- Weather-Proof Construction
- Expansive Wired or Wireless Connectivity
- Full Magnesium Alloy Case
- Supports Windows Vista® Business
- MIL-STD-810F Standard & IP54 Compliance
- Shock Mounted Removable Hard Drive
- Impermeable to Dust and Water Spillage
- FCC DoC, UL Listed, EPA Energy Star Compliant

The ruggedly sleek, all out weather-proofed NCS Magnus Rugged Notebook is specifically designed for the military, law enforcement or industrial professional on the go. The Magnus is a durable and reliable mobile computing platform encased in a Magnesium alloy shell that is impermeable to dust and water spillage and can even withstand an accidental drop (up to three vertical feet). It also features the Intel® Core™ Duo U7600, the newest in low power consumption processors, which helps to promote longer battery life. In addition, each Magnus is equipped with a 10.4” XGA or 12.1” WXGA 180° rotatable screen to transform from a notebook to a tablet, offering versatile adaptability for office or field work. Motorized support comes in the form of an optional vehicle docking station, housing an expansive array of ports and connectors. No matter the working environment, the Magnus comes readily outfitted with connectivity options ranging from the “tried and true” wired modem and LAN combination to the wireless connection of wireless modem, satellite wireless technology or Bluetooth, making the Magnus the quintessential rugged mobile computing platform.

Model RNM101

Magnus Rugged Notebook

Processor
Intel® Core™ 2 Duo U7600 (1.2 GHz) Ultra Low Voltage (ULV) Processor
Intel® Advanced Smart Cache
Intel® Dynamic Bus Parking
Intel® Dynamic Power Coordination
Intel® Enchanced Deeper Sleep with Dynamic Cache Sizung
533 MHz Front Side Bus (FSB), 2 MB L2 Cache

Chipset
Intel® 945GMS Express Chipset
Intel® 82945 GMS (MCH) FCGBA
Intel® 82801GBM (ICH7-M) BGA

BIOS
1 MB Flash EEPROM

System Memory
One SO-DIMM Socket supporting DDR2 SDRAM
512 MB, 1 GB or 2 GB SO-DIMMs
Maximum Memory Expansion of 2 GB

Power Management
Full Feature ACPI 2.0 Power Management
Supports Stand-by, Suspend-to-Disk, Suspend-to-RAM

I/O Ports
One Serial Port
One External VGA
One SD Card Reader
One DC in
Two USB 2.0 Ports
One Microphone
One Line Out
One I/O Port

PCMCIA
Two Type II or One Type III

Modem & LAN
Integrated 56 K Baud ITU V.92 Modem Module w/ RJ-11 Port
Integrated 10/100/1000 Base-T Ethernet Controller w/ RJ-45 Port

Wireless Communication
Integrated Intel® PRO Wireless 3945ABG 802.11 a/b/g
Bluetooth(V2.0+EDR Class 2)
EV-DO/GSM/GPRS/EDGE/UMTS/WCDMA/HSDPA (Optional)

Hard Disk Drive
Shock Mount 9.5 mm 2.5" Hard Disk Drive
120 GB, 160 GB or 250 GB HDD Serial ATA Support

Video Controller
Intel® Graphics Media Accelerator 950
Dynamic Video Memory Technology (DVMT) up to 128 MB

Sound System
AC '97 Audio CODEC with Built-in Stereo Speakers
Built-in Headphone-out and Microphone Ports

Memory Card Reader
SD Card Reader

Security Features
Kensington® Lock Ready
Trusted Platform Module (TPM) 1.2

Camera
1.3 MP CMOS Digital (200° Reversible) Camera

Display Screen
10.4" XGA with Touch Screen, 1024 x 768
12.1" WXGA with Touch Screen, 1280 X 800 (Optional)
10.4" or 12.1" Sunlight Readable Solution with Digitizer (Optional)
10.4" or 12.1" Sunlight Readable Solution with Touch Screen (Optional)

Battery
Primary Battery Smart Li-ION Battery (5200 mAh) 11.1 V
Battery Life of 6 Hrs
Optional Li-ION Smart Battery (7800 mAh)
Battery Life of X Hrs

Dimensions (W x D x H) & Weight
10.4": 285 x 222 x 49 mm (11.2 x 8.7 x 1.9) , 2.2kg (4.9lbs)
12.1": 311 x 222 x 49 mm (13 x 8.7 x 1.9) , 2.45kg (5.4lbs)

Keyboard & Pointing Device
Shower-proof and Dust-proof and Windows 88 Key Full Size Keyboard, 2.3 mm Travel
Weather-proof Rubber Keyboard (Optional)
LED Back-light Rubber Keyboard (Optional)
Touchpad Pointing Device with Enhanced Pressure Sensitive Touchpad & 2 Click Buttons
Touchscreen Pen (Optional)

Standard Accessories
90W/100-240V Auto-Switching AC Adapter (50/60Hz)

Regulatory, Product Certifications, & Standards

Temperature:	MIL-STD-810F / IEC 68-2-1, 2, 14, Method 501.4, 502.4 0˚ to 55˚C (32˚ to 131˚F) (Standard Operating) -20˚ to 55˚C (-4˚ to 131˚F) (Optional) -40˚ to 70˚C (-40˚ to 158˚F) (Non-operating)
Humidity:	MIL-STD-810F / IEC 68-2-30, Method 507 45% to 95% Relative Humidity, Non-condensing
Altitude:	MIL-STD-810F / IEC 68-2-13, Method 500.4 15,000 ft (Operating), 40,000 ft (Non-operating) 2,000 ft/min Altitude Change Rate
Shock:	MIL-STD-810F / IEC 68-2-27, Method 516.5
Vibration:	MIL-STD-810F / IEC 68-2-6, Method 514.5
Drop:	MIL-STD-810F / IEC 68-2-32, Method 516.5 3 ft Height Free Drop
Enclosure:	IEC 529, NEMA, MIL-STD-810F, Method 506.4, 510.4, IP54
ESD:	IEC 1000-4-2
Safety:	Underwriter Laboratories 60950, 3rd Edition
Other:	FCC Class B, CUL, TUV, CB, CE, CCC, WHQL, BSMI, e-Mark
Electromagnetic:	MIL-STD-461E (Optional)

Docking Station (Optional)
Vehicle Docking Board: Two Serial, One BNC S-Video, One POGO, One Parallel, Two USB, One Microphone,One Line-out, One Ignition Sensor, and One DC-in

Options
12-32 VDC 90W Car Adapter
Vehicle Mount
Smart Card Reader
Carrying Bag
Optical Drive (USB)
Docking RF Connector

180° Rotatable Screen

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